

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040192 A3

(51) International Patent Classification: **C07K 7/00**,
7/08, 9/00, A61K 38/10, 38/16, C12N 5/00, 15/12, 15/64,
C07H 21/00

(21) International Application Number:
PCT/US2004/034911

(22) International Filing Date: 20 October 2004 (20.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/512,953 21 October 2003 (21.10.2003) US

(63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier application:
US 60/512,953 (CIP)
Filed on 21 October 2003 (21.10.2003)

(71) Applicant (for all designated States except US): **THE
REGENTS OF THE UNIVERSITY OF CALIFORNIA**
[US/US]; 1111 Franklin Street, Oakland, CA 94607-5200
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GALLO, Richard**

[US/US]; 3036 Serbian Pl., San Diego, CA 92117 (US).
MURAKAMI, Masamoto [US/US]; 8066 Regents road,
#1102, San Diego, CA 92122 (US).

(74) Agent: **BAKER, Joseph, R., Jr.**; Fish & Richardson P.C.,
12390 El Camino Real, San Diego, CA 92130 (US).

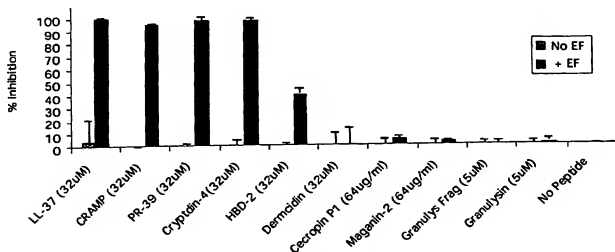
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **HUMAN CATHELICIDIN ANTIMICROBIAL PEPTIDES**

Effect of EF on the Inhibitory Activity of Various Antimicrobial Peptides on Staph Aureus (+150mM NaCl and 10% FCS)



(57) Abstract: Provided are peptide and peptide consensus sequences, which inhibit bacterial growth and/or viral growth and mimic the activity of LL-37, CRAMP, and/or FALL-39. The peptides are useful as antimicrobials, anti-inflammatories and antiviral agents.



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
7 July 2005